Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) An adhesive composition, comprising:

soy protein or a mixture of soy protein and lignin;

at least one substantially formaldehyde-free curing agent that includes at least one amine, amide, imine, imide, or nitrogen-containing heterocyclic functional group that can react with at least one functional group of the soy protein; and

at least one compound selected from a boron compound, a group IA oxide or hydroxide, or a group IIA oxide or hydroxide.

- 2. (Original) The composition according to claim 1 wherein the composition is substantially formaldehyde-free.
- 3. (Currently amended) The composition according to claim 1 wherein the composition includes about 0.5 wt. % to about 10 wt. % of the at least one boron compound, group IA oxide or hydroxide, or group IIA oxide or hydroxide, based on the dry weight of the composition.
- 4. (Original) The composition of claim 1 wherein the boron compound is selected from boric acid, a boron salt, or a borate ester.
- 5. (Original) The composition of claim 1 wherein the boron compound comprises sodium borate, sodium borohydride or sodium tetraborate.
- 6. (Original) The composition of claim 1 wherein the curing agent is a reaction product of an epoxide with a polyamine resin, a reaction product of an epoxide with a polyamidoamine resin, or reaction product of epoxide with a polyamide resin.

- 7. (Original) The composition of claim 1 wherein the curing agent comprises a polyalkylene polyamine-epihalohydrin resin.
- 8. (Original) The composition of claim 7, wherein the curing agent comprises a reaction product of epichlorohydrin with ethylenediamine, bis-hexamethylenetriamine or hexamethylenediamine.
- 9. (Original) The composition of claim 5 wherein the soy protein comprises soy flour and the curing agent comprises a reaction product of epichlorohydrin with ethylenediamine, bishexamethylenetriamine or hexamethylenediamine.
- 10. (Original) The composition according to claim 3 wherein the composition includes about 2 wt. % to about 30 wt. % of the at least one curing agent, based on the dry weight of the composition.
- 11. (Currently amended) The composition according to claim 1, wherein the composition comprises a reaction product of the soy protein, the at least one curing agent, and the at least one boron compound.

Claims 12-13 (Canceled)

14. (Currently amended) A method for making an adhesive composition comprising mixing together:

soy protein or a mixture of soy protein and lignin;

at least one substantially formaldehyde-free curing agent that includes at least one amine, amide, imine, imide, or nitrogen-containing heterocyclic functional group; and

at least one compound selected from a boron compound, a group IA oxide or hydroxide, or a group IIA oxide or hydroxide.

15. (Currently amended) A method for making an adhesive composition comprising: mixing together at least one compound selected from a boron compound, a group IA oxide or hydroxide, or a group IIA oxide or hydroxide with at least one substantially formaldehyde-free curing agent that includes at least one amine, amide, imine, imide, or nitrogen-containing heterocyclic functional group; and

contacting the resulting product with soy protein or a mixture of soy protein and lignin.

- 16. (Currently amended) The method of claim 15, wherein the at least one <u>boron</u> compound/curing agent product is contacted with the soy protein or mixture of soy protein and lignin under conditions sufficient for reacting the boron compound/curing agent product with the soy protein.
- 17. (Currently amended) The method of claim 15, wherein the soy protein comprises soy flour, the at least one curing agent comprises a reaction product of epichlorohydrin with ethylenediamine, bis-hexamethylenetriamine or hexamethylenediamine, and the at least one boron compound is selected from boric acid, a boron salt, or a borate ester, sodium hydroxide, potassium hydroxide, calcium hydroxide, or calcium oxide.
 - 18. (Original) An adhesive composition made according to claim 17.
- 19. (Currently amended) An adhesive composition produced from the following ingredients:

soy protein or a mixture of soy protein and lignin;

at least one substantially formaldehyde-free curing agent that includes at least one amine, amide, imine, imide, or nitrogen-containing heterocyclic functional group; and

at least one <u>boron</u> compound selected from a boron compound, a group IA oxide or hydroxide, or a group IIA oxide or hydroxide.

20. (Currently amended) An adhesive composition, comprising <u>a reaction product of</u>: a first component selected from at least one of soy protein, lignin, or a mixture thereof; and

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at least one substantially formaldehyde-free curing agent <u>comprising a polyalkylene</u> <u>polyamine-epichlorohydrin resin</u> selected from (i) a reaction product of epichlorohydrin with ethylenediamine, (ii) a reaction product of epichlorohydrin with bis-hexamethylenetriamine, or (iii) a reaction product of epichlorohydrin with hexamethylenediamine.

- 21. (Original) The composition according to claim 20 wherein the composition is substantially formaldehyde-free.
- 22. (Original) The composition according to claim 20 wherein the composition includes about 2 wt. % to about 30 wt. % the curing agent, based on the dry weight of the composition.
- 23. (Original) The composition according to claim 20, wherein the first component is soy protein.
- 24. (Original) The composition according to claim 23, wherein the soy protein comprises soy flour.
- 25. (Original) The composition according to claim 20, wherein the composition comprises a reaction product of the first component and the at least one curing agent.
- 26. (Original) The composition according to claim 20, wherein the first component is lignin.
- 27. (Currently amended) A method for making an adhesive composition comprising mixing together:
- a first ingredient selected from soy protein, lignin, or a mixture thereof; and at least one substantially formaldehyde-free curing agent comprising a polyalkylene polyamine-epichlorohydrin resin selected from (i) a reaction product of epichlorohydrin with ethylenediamine, (ii) a reaction product of epichlorohydrin with bis-hexamethylenetriamine, (iii) or a reaction product of epichlorohydrin with hexamethylenediamine.

- 28. (Original) An adhesive composition made according to claim 27.
- 29. (Currently amended) A method for making a lignocellulosic composite, comprising: applying an adhesive composition to at least one lignocellulosic substrate, the adhesive composition comprising (i) soy protein, (ii) at least one substantially formaldehyde-free curing agent that includes at least one amine, amide, imine, imide, or nitrogen-containing heterocyclic functional group that can react with at least one functional group of the soy protein, and (iii) at least one boron compound selected from a boron compound, a group IA oxide or hydroxide, or a group IIA oxide or hydroxide; and

bonding the adhesive-applied lignocellulosic substrate to at least one other lignocellulosic substrate.

- 30. (Original) The method of claim 29, wherein the bonding comprises applying heat and pressure to an assembly of the adhesive-applied lignocellulosic substrate and the other lignocellulosic substrate.
- 31. (Original) The method of claim 29, wherein the lignocellulosic substrates comprises comminuted wood particles and the method comprises:

blending about 1 to about 12 weight percent of the adhesive composition with a mixture of the comminuted wood particles, the weight percent being based on the combined weight of the adhesive composition and the comminuted wood particles;

forming the adhesive/wood particle blend into a predetermined configuration; and applying heat and pressure to the formed blend.

32. (Original) The method of claim 29, wherein the lignocellulosic substrates comprises a wood veneer substrate and the method comprises:

applying the adhesive composition to at least one surface of the wood veneer substrate; forming an assembly of the adhesive-applied wood veneer substrates; and applying heat and pressure to the assembly.

- 33. (Currently amended) The method of claim 29, wherein the at least one <u>boron</u> compound is selected from boric acid, a boron salt, <u>or a borate ester, sodium hydroxide</u>, <u>potassium hydroxide</u>, <u>calcium hydroxide</u>, <u>or calcium oxide</u>, and the curing agent comprises a <u>resin that is (i)</u> a reaction product of epichlorohydrin with ethylenediamine, <u>(ii)</u> a reaction <u>product of epichlorohydrin with</u> bis-hexamethylenetriamine or <u>(iii)</u> a reaction <u>product of epichlorohydrin with</u> hexamethylenediamine.
- 34. (Currently amended) A method for making a lignocellulosic composite, comprising: applying an adhesive composition to at least one lignocellulosic substrate, the adhesive composition comprising (i) a first component selected from soy protein, lignin, or a mixture thereof and (ii) at least one substantially formaldehyde-free curing agent comprising a polyalkylene polyamine-epichlorohydrin resin selected from (i) a reaction product of epichlorohydrin with ethylenediamine, (ii) a reaction product of epichlorohydrin with bis-hexamethylenetriamine, or (iii) a reaction product of epichlorohydrin with hexamethylenediamine; and

bonding the adhesive-applied lignocellulosic substrate to at least one other lignocellulosic substrate.

- 35. (Original) The method of claim 34, wherein the bonding comprises applying heat and pressure to an assembly of the adhesive-applied lignocellulosic substrate and the other lignocellulosic substrate.
- 36. (Original) The method of claim 34, wherein the lignocellulosic substrates comprises comminuted wood particles and the method comprises:

blending about 1 to about 12 weight percent of the adhesive composition with a mixture of the comminuted wood particles, the weight percent being based on the combined weight of the adhesive composition and the comminuted wood particles;

forming the adhesive/wood particle blend into a predetermined configuration; and applying heat and pressure to the formed blend.

37. (Original) The method of claim 34, wherein the lignocellulosic substrates comprises a wood veneer substrate and the method comprises:

applying the adhesive composition to at least one surface of the wood veneer substrate; forming an assembly of the adhesive-applied wood veneer substrates; and applying heat and pressure to the assembly.

- 38. (Original) The method of claim 34, wherein the first component is soy protein.
- 39. (Original) The method of claim 34, wherein the first component is lignin.
- 40. (Original) A lignocellulosic composite made according to the method of claim 29.
- 41. (Original) A lignocellulosic composite made according to the method of claim 34.